

Title (en)

Method for detecting or quantifying target nucleic acid

Title (de)

Verfahren zum Nachweis oder Quantifizierung von Zielnukleinsäuren

Title (fr)

Procédé pour la détection ou détermination quantitative d'acides nucléiques cibles

Publication

EP 0487218 B1 19971229 (EN)

Application

EP 91310062 A 19911031

Priority

JP 29430590 A 19901031

Abstract (en)

[origin: EP0487218A1] A method of detecting or quantifying a target nucleic acid in a sample is disclosed. In this method, the target nucleic acid is amplified by the polymerase chain reaction in the presence of a fluorescence pigment of which fluorescent property is changed upon reacting with nucleic acid. The fluorescence intensity of the fluorescent pigment is measured before and after the polymerase chain reaction or during the reaction so as to detect or quantify the target nucleic acid. The fluorescent pigment may also be reacted with the amplified target nucleic acid after the polymerase chain reaction.

IPC 1-7

C12Q 1/68

IPC 8 full level

C12N 15/09 (2006.01); **C12Q 1/48** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP)

C12Q 1/6851 (2013.01); **C12Q 1/686** (2013.01)

Citation (examination)

- DNA replication, Kornberg 1980, pages 427-434
- DNA replication, Kornberg & Baker 1992, pages 451-456
- J.Mol.Biol, 1974, vol.89, pages 719-736

Cited by

WO9403634A1; US6814934B1; EP0882801A1; DE4333805C2; EP1950555A3; US6043032A; US5491063A; CN1330775C; FR2710920A1; EP0714986A1; US5624798A; US6022961A; EP0643140A1; US5670315A; FR2694768A1; EP0684316A1; US5563037A; CN1100884C; EP0656068A4; US6156506A; EP0512334A3; US5994056A; CN108368544A; EP3957398A1; EP1400598A1; US6063572A; EP0726324A3; US5985619A; US5939256A; EP0855447A3; EP2955234A1; US8658099B2; WO2013076029A1; US7220544B2; CN111712584A; EP3735477A4; WO9859070A1; WO2017059049A1; WO03100095A1; WO02077285A3; WO2014150300A2; US9365902B2; WO2013030168A1; US7267945B2; US6297008B1; EP0776981A2; WO2011047329A2; WO2011153254A2; US8343443B2; US6171785B1; US11085074B2; WO9836096A1; WO9707235A3; EP0787806A2; WO2013043715A1; WO2015150900A2; EP3572093A1; WO2011128096A1; EP2913398A1; WO2016077366A1; US10294529B2; WO2019157358A1; EP0702090A2; EP0707077A2; WO2013030167A1; WO2013066641A1; US10633707B2; WO2004046331A2; WO2013181125A2; EP3604552A1; WO2021180858A1; US7615346B2; US7262006B1; EP0726312A2; EP2700723A2; US8637655B2; EP2789693A1; EP2952588A1; EP2036990A1; US6242477B1; WO2012040403A1; EP2937423A1; WO2017201070A1; US10844441B2; EP4039826A1; US11530455B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0487218 A1 19920527; **EP 0487218 B1 19971229**; DE 69128520 D1 19980205; DE 69128520 T2 19980709; JP 2985446 B2 19991129; JP H05237000 A 19930917

DOCDB simple family (application)

EP 91310062 A 19911031; DE 69128520 T 19911031; JP 31361691 A 19911031